

THIN WALL INJECTION WITH IN-MOLD DISPLACEMENT

Abstract

A method and system for providing plastic injection molded parts with thin wall sections or portions. The mold has one or more plunger or piston members which operate to reduce the size of the mold cavity and thus the thickness of wall sections or portions of the molded parts, preferably at 70–75% or more of their surface area. Commercially acceptable parts with wall thicknesses on the order of 2.5 mm can be provided with the present invention.